

ABSTRACT

The airborne imaging system of the present invention includes a blister housing attached to a host vehicle. At the appropriate time in flight, a sensor suite is deployed from the blister housing. The sensor suite is eccentrically weighted to induce a pendular motion as it is
5 suspended from a paradevice. To increase the imaging footprint of the system, the paradevice is designed for angular motion and the look down angle of the imaging system can be adjusted from the vertical. The data is broadcast to a receiving station that processes individual frames to create a continuously updated mosaic of the area of interest.